

y-axis means for controlling relative rotation of said y-axis device interface about a y-axis;

hinge body means for providing structural support said x-axis means and said y-axis means; and

stop means for providing a y-axis positive rotational limit and a y-axis negative rotational limit to stop rotation of said y-axis device interface relative said hinge body means at predetermined negative and positive angles of rotation.

**26.** The hinge of claim 25, comprising a total part count of 10 parts.

**27.** The hinge of claim 25, comprising a total part count of 9 parts.

**28.** The hinge of claim 25, comprising a total part count of 8 parts.

**29.** A dual axis self-contained hinge for a handheld device having a main part and a flip part being rotatable relative to each other about an x-axis and a y-axis of the hinge, the hinge comprising:

a hinge body supporting an x-axis subassembly and a y-axis subassembly;

a first device interface controlled to rotate relative to said hinge body about the x-axis by the x-axis subassembly, the x-axis subassembly providing bias positions of

x-axis rotation and self-open and/or self close assistance at predetermined points of x-axis relative rotation of said first device interface and said hinge body; and

a second device interface controlled to rotate relative to said hinge body about the y-axis by the y-axis subassembly, the y-axis subassembly providing a bias position of rotation, a positive rotational limit, and a negative rotational limit.

**30.** The hinge of claim 29, wherein the bias position of rotation is 0°, the positive rotational limit is +180° and the positive rotational limit is -180°.

**31.** The hinge of claim 29, wherein said hinge body is a unitary structure defining that supports both the y-axis subassembly and the x-axis subassembly.

**32.** The hinge of claim 29, wherein said hinge body defines a path to accommodate wiring through said hinge body.

**33.** The hinge of claim 29, comprising a total part count of 10 parts.

**34.** The hinge of claim 29, comprising a total part count of 9 parts.

**35.** The hinge of claim 29, comprising a total part count of 8 parts.

\* \* \* \* \*